

| | Type | Hits | Search Text |
|----|------|--------|---|
| 1 | BRS | 1 | 10/663368 |
| 2 | BRS | 1 | S1 and (phas\$3 near7 lock\$6) |
| 3 | BRS | 1 | S1 and (phas\$3 same lock\$6) |
| 4 | BRS | 1 | S1 and (phas\$3 and lock\$6) |
| 5 | BRS | 82076 | (input\$3 source light beam optic\$3) near9 modulat\$5 same modulator |
| 6 | BRS | 9644 | (fiber\$1 waveguide\$1 fibre\$1) near12 (delay\$4 length\$1 piezo piezoelect\$5 stretch\$4) same (delay\$4 machzender zender mzi\$1) |
| 7 | BRS | 126108 | (fiber\$1 waveguide\$1 fibre\$1 delay\$4 machzender zender mzi\$1) near7 (detect\$5 photodetect\$5 photodio\$3 photo) |
| 8 | BRS | 172655 | amplif\$5 near7 (detect\$5 photodetect\$5 photodio\$3 photo) |
| 9 | BRS | 14689 | amplif\$5 near7 (detect\$5 photodetect\$5 photodio\$3 photo) same electric\$5 near9 amplif\$5 |
| 10 | BRS | 105349 | filter\$4 near9 amplif\$5 |
| 11 | BRS | 283715 | (bias\$3 chang\$5 adjust\$5 tun\$5 control\$4) near7 amplif\$5 |
| 12 | BRS | 600550 | (frequenc\$4 phas\$2) near7 (adjust\$5 modif\$4 shift\$4 chang\$4 tun\$4) |
| 13 | BRS | 58 | S5 and S6 and S7 and S8 and S9 and S10 and S11 and S12 |
| 14 | BRS | 1990 | (photonic same (frequenc\$4 oscil\$6)) |
| 15 | BRS | 2752 | (photonic\$1 same (frequenc\$4 oscil\$6)) |
| 16 | BRS | 11 | S13 and S15 |
| 17 | BRS | 5564 | (photonic\$1 same (frequenc\$4 oscil\$6 signal)) |
| 18 | BRS | 11 | S13 and S17 |
| 19 | BRS | 7 | ("6873631" "6580532" "6567436" "6337660" "5777778" "5687261" "5319438").pn. |

| | DBs | Time Stamp | Comments | Error Definition |
|----|---------------------------------------|-------------------|-----------------|-------------------------|
| 1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/26 15:15 | | |
| 2 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/26 15:16 | | |
| 3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/26 16:29 | | |
| 4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/26 16:47 | | |
| 5 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/26 17:05 | | |
| 6 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/26 17:13 | | |
| 7 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/26 17:14 | | |
| 8 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/26 17:16 | | |
| 9 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/26 17:17 | | |
| 10 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/26 17:19 | | |
| 11 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/26 17:23 | | |
| 12 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/26 17:27 | | |
| 13 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/26 17:28 | | |
| 14 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/26 17:29 | | |
| 15 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/26 17:30 | | |
| 16 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 16:46 | | |
| 17 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/26 17:30 | | |
| 18 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 13:02 | | |
| 19 | US-PGPUB; USPAT | 2005/09/27 13:09 | | |

| | Errors | Ref # |
|----|---------------|--------------|
| 1 | | S1 |
| 2 | | S2 |
| 3 | | S3 |
| 4 | | S4 |
| 5 | | S5 |
| 6 | | S6 |
| 7 | | S7 |
| 8 | | S8 |
| 9 | | S9 |
| 10 | | S10 |
| 11 | | S11 |
| 12 | | S12 |
| 13 | | S13 |
| 14 | | S14 |
| 15 | | S15 |
| 16 | | S16 |
| 17 | | S17 |
| 18 | | S18 |
| 19 | | S19 |

| | Type | Hits | Search Text |
|----|------|--------|--|
| 20 | BRS | 82124 | (input\$3 source light beam optic\$3) near9 modulat\$5 same modulator |
| 21 | BRS | 9652 | (fiber\$1 waveguide\$1 fibre\$1) near12 (delay\$4 length\$1 piezo piezoelect\$5 stretch\$4) same (delay\$4 machzender zender mzi\$1) |
| 22 | BRS | 126179 | (fiber\$1 waveguide\$1 fibre\$1 delay\$4 machzender zender mzi\$1) near7 (detect\$5 photodetect\$5 photodio\$3 photo) |
| 23 | BRS | 172738 | amplif\$5 near7 (detect\$5 photodetect\$5 photodio\$3 photo) |
| 24 | BRS | 14698 | amplif\$5 near7 (detect\$5 photodetect\$5 photodio\$3 photo) same electric\$5 near9 amplif\$5 |
| 25 | BRS | 105408 | filter\$4 near9 amplif\$5 |
| 26 | BRS | 283863 | (bias\$3 chang\$5 adjust\$5 tun\$5 control\$4) near7 amplif\$5 |
| 27 | BRS | 600889 | (frequenc\$4 phas\$2) near7 (adjust\$5 modif\$4 shift\$4 chang\$4 tun\$4) |
| 28 | BRS | 58 | S20 and S21 and S22 and S23 and S24 and S25 and S26 and S27 |
| 29 | BRS | 2758 | (photonic\$1 same (frequenc\$4 oscil\$6)) |
| 30 | BRS | 11 | S28 and S29 |
| 31 | BRS | 7 | S19 and S30 |
| 32 | BRS | 6 | ("6873631" "6580532" "6567436" "6337660" "5777778" "5319438").pn. |
| 33 | BRS | 6 | S32 and S30 |
| 34 | BRS | 2 | "5777778".pn. |
| 35 | BRS | 1 | S36 and (amplif\$5 near12 (adjust\$5 control\$4 bias\$4 chang\$5 increas\$4 decreas\$4 tun\$5 modif\$5)) |
| 36 | BRS | 4 | ("6873631" "6580532" "6567436" "5777778").pn. |
| 37 | BRS | 4 | S39 and (amplif\$5 near16 (adjust\$5 control\$4 bias\$4 chang\$5 increas\$4 decreas\$4 tun\$5 modif\$5 power)) |

| | DBs | Time Stamp | Comments | Error Definition |
|----|---------------------------------------|-------------------|-----------------|-------------------------|
| 20 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 13:04 | | |
| 21 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 13:04 | | |
| 22 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 13:04 | | |
| 23 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 13:04 | | |
| 24 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 13:04 | | |
| 25 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 13:04 | | |
| 26 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 13:04 | | |
| 27 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 13:04 | | |
| 28 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 13:04 | | |
| 29 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 13:04 | | |
| 30 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 13:08 | | |
| 31 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 13:09 | | |
| 32 | US-PGPUB; USPAT | 2005/09/27 13:09 | | |
| 33 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 16:33 | | |
| 34 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 16:30 | | |
| 35 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 16:49 | | |
| 36 | US-PGPUB; USPAT | 2005/09/27 16:34 | | |
| 37 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 16:35 | | |

| | Errors | Ref # |
|-----------|---------------|--------------|
| 20 | | S20 |
| 21 | | S21 |
| 22 | | S22 |
| 23 | | S23 |
| 24 | | S24 |
| 25 | | S25 |
| 26 | | S26 |
| 27 | | S27 |
| 28 | | S28 |
| 29 | | S29 |
| 30 | | S30 |
| 31 | | S31 |
| 32 | | S32 |
| 33 | | S33 |
| 34 | | S36 |
| 35 | | S37 |
| 36 | | S39 |
| 37 | | S40 |

| | Type | Hits | Search Text |
|----|------|--------|--|
| 38 | BRS | 4 | S39 and ((gain\$1 amplif\$5) near16 (adjust\$5 control\$4 bias\$4 chang\$5 increas\$4 decreas\$4 tun\$5 modif\$5 power)) |
| 39 | BRS | 82124 | (input\$3 source light beam optic\$3) near9 modulatt\$5 same modulator |
| 40 | BRS | 9652 | (fiber\$1 waveguide\$1 fibre\$1) near12 (delay\$4 length\$1 piezo piezoelect\$5 stretch\$4) same (delay\$4 machzender zender mzi\$1) |
| 41 | BRS | 126179 | (fiber\$1 waveguide\$1 fibre\$1 delay\$4 machzender zender mzi\$1) near7 (detect\$5 photodetect\$5 photodio\$3 photo) |
| 42 | BRS | 172738 | amplif\$5 near7 (detect\$5 photodetect\$5 photodio\$3 photo) |
| 43 | BRS | 14698 | amplif\$5 near7 (detect\$5 photodetect\$5 photodio\$3 photo) same electric\$5 near9 amplif\$5 |
| 44 | BRS | 105408 | filter\$4 near9 amplif\$5 |
| 45 | BRS | 283863 | (bias\$3 chang\$5 adjust\$5 tun\$5 control\$4) near7 amplif\$5 |
| 46 | BRS | 600889 | (frequenc\$4 phas\$2) near7 (adjust\$5 modif\$4 shift\$4 chang\$4 tun\$4) |
| 47 | BRS | 58 | S42 and S43 and S44 and S45 and S46 and S47 and S48 and S49 |
| 48 | BRS | 2758 | (photonic\$1 same (frequenc\$4 oscil\$6)) |
| 49 | BRS | 11 | S50 and S51 |
| 50 | BRS | 273440 | (amplif\$5 near5 (adjust\$5 control\$4 bias\$4 chang\$5 increas\$4 decreas\$4 tun\$5 modif\$5)) |
| 51 | BRS | 3795 | (fiber\$1 waveguide\$1 fibre\$1) near12 (length\$1 piezo piezoelect\$5 stretch\$4) same (delay\$4 machzender zender mzi\$1) |
| 52 | BRS | 26644 | amplif\$5 near7 (detect\$5 photodetect\$5 photodio\$3 photo) same electric\$4 |
| 53 | BRS | 51 | S42 and S54 and S44 and S45 and S57 and S53 and S49 |

| | DBs | Time Stamp | Comments | Error Definition |
|----|---------------------------------------|-------------------|-----------------|-------------------------|
| 38 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 16:35 | | |
| 39 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 16:46 | | |
| 40 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 16:53 | | |
| 41 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 16:46 | | |
| 42 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 16:46 | | |
| 43 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 16:57 | | |
| 44 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 16:46 | | |
| 45 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 16:46 | | |
| 46 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 16:46 | | |
| 47 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 17:00 | | |
| 48 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 17:02 | | |
| 49 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 17:03 | | |
| 50 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 18:02 | | |
| 51 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 16:53 | | |
| 52 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 16:59 | | |
| 53 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 18:03 | | |

| | Errors | Ref # |
|----|---------------|--------------|
| 38 | | S41 |
| 39 | | S42 |
| 40 | | S43 |
| 41 | | S44 |
| 42 | | S45 |
| 43 | | S46 |
| 44 | | S47 |
| 45 | | S48 |
| 46 | | S49 |
| 47 | | S50 |
| 48 | | S51 |
| 49 | | S52 |
| 50 | | S53 |
| 51 | | S54 |
| 52 | | S57 |
| 53 | | S58 |

| | Type | Hits | Search Text |
|----|------|-------|--|
| 54 | BRS | 11 | S58 and (photonic\$1 same (frequenc\$4 oscil\$6)) |
| 55 | BRS | 4 | S59 not S52 |
| 56 | BRS | 1 | "20040264977" |
| 57 | BRS | 1 | S61 and S53 |
| 58 | BRS | 26 | S58 and oscillator\$1 |
| 59 | BRS | 16 | S63 not (S52 S59) |
| 60 | BRS | 1 | S62 and (amplif\$4 same (shift\$5 chang\$4 frequenc\$4 adjust\$4 power)) |
| 61 | BRS | 1 | S62 and (amplif\$4 same (shift\$5 chang\$4 frequenc\$4 adjust\$4 power bias\$4)) |
| 62 | BRS | 50939 | (amplif\$5 near5 (vary\$5 variab\$5)) |
| 63 | BRS | 11 | S42 and S54 and S44 and S45 and S57 and S67 and S49 |
| 64 | BRS | 9 | S68 not (S52 S59) |

| | DBs | Time Stamp | Comments | Error Definition |
|----|---------------------------------------|------------------|----------|------------------|
| 54 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 17:03 | | |
| 55 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 17:29 | | |
| 56 | US-PGPUB; USPAT | 2005/09/27 17:29 | | |
| 57 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 17:53 | | |
| 58 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 17:33 | | |
| 59 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 18:04 | | |
| 60 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 17:57 | | |
| 61 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 17:57 | | |
| 62 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 18:02 | | |
| 63 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 18:05 | | |
| 64 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/09/27 18:06 | | |

| | Errors | Ref # |
|-----------|---------------|--------------|
| 54 | | S59 |
| 55 | | S60 |
| 56 | | S61 |
| 57 | | S62 |
| 58 | | S63 |
| 59 | | S64 |
| 60 | | S65 |
| 61 | | S66 |
| 62 | | S67 |
| 63 | | S68 |
| 64 | | S72 |